



MISSOURI DEPARTMENT OF NATURAL RESOURCES

Management of Waste Tires

Technical Bulletin
3/1999

Division of Environmental Quality
Solid Waste Management Program

What is a waste tire?

In general, a waste tire is a tire that is...

- no longer suitable for its original, intended purpose due to wear, damage or defect;
- cut, shredded or chipped;
- stored outdoors for over one year; or
- discarded with the intent of final disposal.

(Please refer to Section 260.200 of the *Revised Statutes of Missouri* and Chapter 8 of Title 10, Division 80 of the Code of State Regulations (10 CSR 80-8) for specific definitions and exclusions.)

Where can waste tires be taken?

Waste tires may be taken to

- A waste tire collection center (regulated by 10 CSR 80-8.020).
- A permitted waste tire site (regulated by 10 CSR 80-8.040).
- A permitted waste tire processor (regulated by 10 CSR 80-8.050).
- A permitted sanitary landfill, if the waste tire is cut in half circumferentially (like a bagel) or cut into thirds.
- A permit-exempt facility – see beneficial use exemptions.
- Another state, provided the tires are managed in compliance with that state's requirements.

Note: It is illegal to burn tires in Missouri except at facilities approved by the Missouri Department of Natural Resources. Uncontrolled burning of tires can pollute our air, water and groundwater.

How are waste tires regulated in Missouri?

Current regulations require some individuals and businesses to register or receive a permit to haul, process or store waste tires. The following are some guidelines:

Waste Tire Hauler

If you haul waste tires for money or other consideration, you must have a waste tire hauler permit. The permit requires a \$100 application fee and must be renewed each year. A waste tire hauler must not store tires unless the facility complies with the storage requirements for a collection center, waste tire site or waste tire processor. Please refer to 10 CSR 80-8.030 for the specific requirements and required forms for a waste tire hauler.

Waste Tire Collection Center

If you are a retailer or wholesaler of new tires, or a landfill or transfer station, and you store 25 or more waste tires as a part of your business, you must comply with the regulations for a collection center. Please refer to 10 CSR 80-8.020 for the specific requirements and required forms for a collection center.



Recycled Paper

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Waste Tire Processor and Waste Tire Site

If you shred, cut, chip, bale, or otherwise alter waste tires to facilitate recycling, resource recovery, or disposal, and you ever accumulate 25 or more waste tires, you must obtain a waste tire processor permit. If you ever accumulate 500 or more waste tires, you must also obtain a waste tire site permit. Both permits require a \$200 application fee and a permit review fee of up to \$2,000 each. However, if both a site and processing permit are required and applied for simultaneously, only one permit application fee and one permit review fee will be charged. Both permits are issued for the life of the facility. Please refer to 10 CSR 80-8.040 for the specific requirements and required forms for a waste tire site and 10 CSR 80-8.050 for the specific requirements and required forms for a waste tire processor.

Waste Tire End-User

If you use waste tires as a fuel or fuel supplement; in the manufacture of a product for resale; as shock absorbing playground cover or in running tracks; or in beneficial ways such as soil erosion abatement, you may need to register as a waste tire end-user. Please refer to 10 CSR 80-8.060 for the specific requirements and required forms for a waste tire end-user.

Beneficial Use Exemptions

Any projects using more than 100 tires per year require written approval from the department prior to implementation. However, the following types of projects are not regulated if they use less than 100 tires per year and pollution, a public nuisance, or a health hazard is not created.

- A person may use waste tires for abatement of soil erosion; drainage purposes; or to secure covers over silage, hay, straw or other agricultural products. Use of over 100 waste tires for soil erosion abatement or drainage must be part of an engineered structure, be properly held in place and be approved by the department and the property owner prior to implementation.
- Tires reused for recreational or structural purposes must comply with the vector control and fire protection requirements of the waste tire rules.
- Tires to be reused as vehicle tires without further processing and retreadable tire casings held by tire retreaders for retreading are not regulated under the waste tire rules if the tires are separated from waste tires within seven days of receipt and are not stored outdoors for over one year. However, these tires must be stored in compliance with the storage requirements of the waste tire rules.

This document is intended to provide general information concerning the management of waste tires. Specific requirements are contained in the *Solid Waste Management Law* and in the *Solid Waste Management Rules and Regulations*. Questions should be addressed to your local Missouri Department of Natural Resources Regional Office or to the Solid Waste Management Program at (573) 751-5401. In addition to these state requirements, counties or municipalities may have additional requirements for management of waste tires. Please contact the county or municipal agency directly to learn of these requirements.

For more information call or write:

Missouri Department of Natural Resources

Solid Waste Management Program

P.O. Box 176, Jefferson City, MO 65102-0176

1 (800) 361-4827 or (573) 751-5401 office

(573) 526-3902 fax

(<http://www.dnr.state.mo.us/deq/swmp/homeswmp.htm>) Program Home Page